

BIOFLO FG

Overview: BioFlo FG is a readily biodegradable, high performance food grade lubricant that meets the requirements for high-pressure anti-wear hydraulic fluids for the food processing industry. BioFlo FG is NSF registered as meeting the guidelines of an H1 product for incidental food contact. Excellent lubricity and temperature stability provide efficient power transfer and superior service life with minimal viscosity change over a broad range of applications. Available in ISO grades 32 and 46.

Specifications, Approvals, Recommendations:

- NSF H1 Food Grade Lubricant
- USDA BioPreferred Program

Features and Benefits:

- Unique combination of **Biodegradability** certification and **Food Grade** certification
- Superior anti-wear protection
- Excellent oxidation and temperature stability
- Derived from renewable resources for maximum compatibility

Physical Properties	FG 32	FG 46
ISO Grade	32	46
Specific Gravity, ASTM D1298	0.91	0.91
Viscosity, ASTM D445 @40°C, cSt	32	46
Viscosity, ASTM D445 @100°C, cSt	7	10
Viscosity Index (VI), ASTM D2270	>188	>200
Pour Point, ASTM D97, °F (°C)	8 (-13)	8 (-13)
Flash Point, ASTM D92, °F (°C)	>400 (204)	>500 (260)
Copper Corrosion, ASTM D4048	1A	1A
Rust Test, ASTM D665, A & B	PASS	PASS
Readily Biodegradable, OECD 301B, %	>90	>90
Bio-based Content, ASTM D6866, %	>95	>95

Applications & Industries: Any industry, especially those with food processing equipment or food packaging equipment, either indoor or outdoor, utilizing mobile or stationary hydraulically powered equipment. Use in hydraulic systems where a release into the environment is possible, where mandated by law, or where a leak or spill could reach a waste stream.

